

Hotbox Mistraal

# Air Circulation Fans



Mistraal 5



Mistraal 24

## High quality air circulation fans to optimise plant growth in your greenhouse or grow room:

Air circulation improves crop response by aiding transpiration and controlling relative humidity. Our UK manufactured air circulation fans are a favourite amongst many growers in the UK and Europe, from the professional commercial growers to the hobbyist.

- Help prevent botrytis and mildew
- Improve heat
- distribution and CO<sub>2</sub> take-up
- Reduce condensation
- Remove temperature gradients

Manufactured from robust stainless steel, there are two Mistraal air circulation fans to choose from. With sealed 'oiled for life' motors to IP34 (Mistraal 5) and IP54 (Mistraal 24), they are designed for maintenance free, continuous running.

**Mistraal 5:** 900m<sup>3</sup>/h suitable for areas up to 100m<sup>2</sup>

**Mistraal 24:** 5500m<sup>3</sup>/h suitable for areas up to 500m<sup>2</sup>

## Technical Specifications

	Mistraal 5	Mistraal 24
<b>Air Movement</b>	900m <sup>3</sup> /h 500 cfm	5365m <sup>3</sup> /h 3157cfm
<b>Voltage</b>	220/240V	220/240V
<b>Current</b>	0.4amp	1.15amp
<b>Watts</b>	85 W/hr	250 W/hr
<b>Fan Speed</b>	1275rpm	1350rpm
<b>Weight</b>	6kg	14.2kg
<b>Dimensions mm</b>	500 mm x 265 mm dia (Mistraal 5) 595mm x 465 mm dia (Mistraal 24)	
<b>Certification</b>	CE / ROHS	

Protected by Hotbox's 2-year warranty



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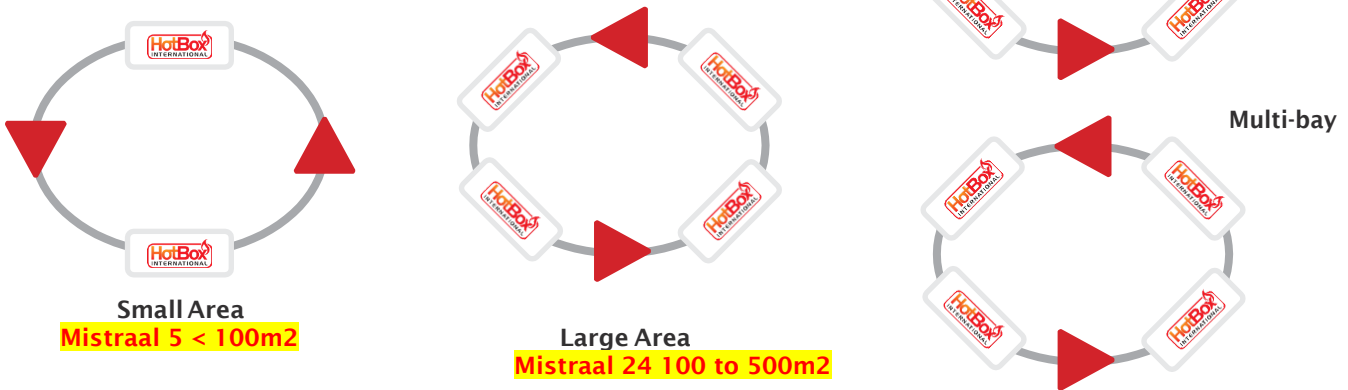
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## Hotbox Mistraal - Circulation



## Circulation Benefits

Circulation is the key to good air movement in greenhouses. Hang your Mistraal fans so they complete a path of air circulation. Each fan will naturally create an area of high pressure in front of it, and an area of low pressure behind.

The diagram above shows how this effect can be used to create efficient circulation. The air is passed from fan to fan and so on around the greenhouse. The rate of photosynthesis can be increased by air movement. Plants absorb CO<sub>2</sub> through the leaf surface.

Air movement ensures a continuous supply of fresh air to this leaf surface which can increase the photosynthetic rate by up to 23%. Heat distribution will also be improved by good air movement, and fungal diseases such as botrytis can be reduced considerably.



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